

Dr. Martin Storksdieck

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Professional Experience

- 2014 – present **Director, STEM Research Center**
Professor, College of Education
Oregon State University, Corvallis, OR
- 2009 – 2014 **Director, Board on Science Education**
Director, NAS Climate Change Education Roundtable
National Research Council of the National Academy of Sciences, Washington, DC
- 2007 – 2009 **Director of Project Development/Senior Researcher**
Institute for Learning Innovation, Edgewater, MD
- 2007 – 2009 **Adjunct Instructor**
The George Washington University, Washington, DC
- 2001 – 2009 **Senior Research Associate**
Institute for Learning Innovation, Edgewater, MD
- Fall 2000 **Adjunct Professor**
Roxbury Community College, Mathematics and Science Department, Boston, MA
- 1999 – 2000 **Associate Fellow**
Harvard University, Belfer Center for Science and International Affairs, Cambridge, MA
- 1998 **Adjunct Lecturer**
Albert-Ludwigs-Universität Freiburg, Education Department, Freiburg, Germany
- 1995 – 1998 **Science Educator, Producer**
Richard-Fehrenbach-Planetarium, City of Freiburg, Germany
- 1993 – 1995 **Research Associate, Project Manager**
International Council for Local Environmental Initiatives (ICLEI), Freiburg, Germany

Education

- 2005 **Ph.D. in Education**
*Leuphana University, Center for Environmental and Sustainability Communication,
Lüneburg, Germany*
Summa cum laude
- 1993 **Master in Public Administration**
Harvard University, John F. Kennedy School of Government, Cambridge, MA
- 1991 **Master of Science in Biology, Minor in Ethnology (Diplombiologe)**
Albert-Ludwigs-Universität Freiburg, Germany

1987 ***Bachelor of Science in Biology, Chemistry, and Physics (Vordiplom)***
Albert-Ludwigs-Universität Freiburg, Germany
With highest distinctions (top 1%).

Professional Service

Current professional service

- Chair, Board of Trustees for TERC (Cambridge, MA), 2017-
- Member (federal appointment as special government employee), Science Advisory Board, for the National Oceanic and Atmospheric Administration (NOAA), 2017-
- Member (joint appointment by the State of Schleswig-Holstein and the federal government of Germany through the Leibniz-Gesellschaft), Scientific Advisory Board, Institute for the Pedagogy of Science and Mathematics (IPN), Kiel, Germany, 2019-2022.
- Member, Board of Trustees, Tree Media Foundation (Los Angeles, CA), 2016-
- Member, Board of Advisors, Explorer At Large, 2017-
- Member, Section Q (Education) of the American Association for the Advancement of Science, 2010-
- Associate Editor, Journal of Interpretation Research, 2020-

Recent past professional service

- Member, *National Network of STEM Education Centers Steering Committee*, 2016-2018.
- Scientific Review Committee, National Optical Astronomy Observatory Education and Public Outreach Program, Tucson, AZ, 2016-2018.
- Scientific Review Panel, Institute for the Pedagogy of Science and Mathematics (IPN), Kiel, Germany, 2017.
- Member, Board of Trustees for TERC (Cambridge, MA), 2014-2017
- Member of the National Park Service *Advisory Board Education Committee* (an official appointment by the National Park Service), 2014-2017.
- Member, Executive Committee, Board of Directors for the Citizen Science Association, 2015-2017.
- Member, Executive Committee, Vice-Chair, Working Group on Grand Challenges in Engagement. Global Partnership for Science Education through Engagement (GSEE), 2015-2017.
- Member of the Advisory Committee for the Science Leadership Initiative of the Museum of Science and Industry, Chicago, 2014-2017.
- Member of the Advisory Board for the *MADE-CLEAR* regional (Maryland and Delaware) climate change education project, 2014-2017.
- Co-chair, 2013 Gordon Research Conference on Visualization in Science and Education.
- Vice chair, 2011 Gordon Research Conference on Visualization in Science and Education.
- Member of the US PISA Steering committee for 2015.
- Member of the Advisory Board for the *Longitudinal Study of American Youth*.

- Member, Board of Directors for the Visitor Studies Association.

University Service (OSU)

- Member, Senate Committee for the Advancement of Teaching, 2016-2018
- Member, Strategic Planning Committee, College of Education, 2016-2018
- Marine Studies Initiative, Research Subcommittee, October 2014-June 2015.
- Scientific Misconduct Investigation, OSU Research Office. July 2015 to February 2016.
- BioResource Research Major Undergraduate Review, College of Agricultural Sciences, January 25-27, 2015.
- US Student Fulbright Program. Reviewed and interviewed OSU students; September/October 2014.
- OSU College of Engineering Strategic Planning Research Task Force, October-November 2014.
- Member of various search committees for the College of Education.
- Member of various doctoral committees in the Colleges of Education, College of Engineering; College of Liberal Arts, and College of Earth, Ocean, and Atmospheric Sciences.

Grant Reviewer

- National Science Foundation: Innovation in Graduate Education, Advancing Informal STEM Learning, CAREER.
- National Oceanic and Atmospheric Administration: Environmental Literacy Grants.
- Deutsche Forschungsgemeinschaft [German equivalent to NSF].
- Oregon Department of Education.
- Socio-Scientific Synthesis Center, Annapolis, MD

Conference Reviewer

- American Association for the Advancement of Science (AAAS).
- North American Association for Environmental Education (NAAEE) Annual Conference and Research Seminar.
- Visitor Studies Association (VSA) Annual Conference.
- National Association for Research in Science Teaching (NARST) Annual Conference.
- Citizen Science Association Conference.

Journal Reviewer

- Curator – The Museum Journal
- Environmental Education Research
- Environmental Practice
- Frontiers in Communication
- International Journal for Science Education
- Museum & Social Issues

- Proceedings of the National Academy of Sciences (PNAS)
- Science
- Science Communication
- Science Education
- Studies in Science Education
- Sustainability
- Visitor Studies
- Zoo Biology

Professional memberships

- American Association for the Advancement of Science.
- Citizen Science Association.
- National Association for Research on Science Teaching.
- North American Association for Environmental Education (Lifetime member).

Awards/Honors

- Oregon State University Award for Excellence in Outreach and Engagement as part of the Science Beyond Schools project (2018).
- Fellow of the American Association for the Advancement of Science (inducted in 2013).
- National Research Council, Division of Behavioral and Social Sciences and Education. Team staff award 2011 for excellence on two projects (*A Framework for K-12 Science Education* and *Successful STEM Schools*).
- Roy L. Shafer Leading Edge Award for Visitor Experiences by the Association for Science-Technology Centers in 2010, provided to the Institute for Learning Innovation for its contribution as research partner to *Portal to the Public* (I was the PI for the research component).
- *Summa cum laude*, doctoral dissertation, University of Lüneburg (2004).
- John F. McCloy Scholar, John F. Kennedy School of Government, Harvard University (1991-1993) – full scholarship (\$60,000).
- Scholar of the German National Scholarship Foundation (Studienstiftung des deutschen Volkes) – top 0.5% of German students (1988-1991).
- Scholarship from the State of Baden-Württemberg, Germany, to attend the University of Massachusetts (1987-1988).
- Bachelor in Science (Biology, Chemistry and Physics) was graded “with highest distinctions” (top 1%) (1987).

Grants received

1. Co-Principal Investigator: “Developing STEM Skills through Play and Exhibit Design for Early Learners in Children’s Museums and Science Centers” (NSF-AISL, \$1,391,000, 2020-2024 – OSU part: \$745,000).

2. Co-Principal Investigator: “Convergence Accelerator Phase I (RAISE): Analytics-Driven Accessible Pathways To Impacts-Validated Education (ADAPTIVE)” (NSF-OIA, \$995,000, 2019-2020 – OSU part: \$300,000).
3. Principal Investigator: “The Circuit: A Platform for Increasing Access to, Deepening and Researching patterns of Family and Adult Participation in Informal Science” (NSF-DRL, \$2,747,288, 2019-2023).
4. Co-Principal Investigator: Research Synthesis: Examining the Role of Authenticity in Informal Science Learning (NSF-DRL, \$249,989, 2019-2021).
5. Principal Investigator, Project Director: “Inclusive Excellence at OSU” (Howard Hughes Medical Institutes, \$1M, 2018-2023).
6. Co-Principal Investigator: “LabVenture – Revealing Systemic Impacts of a 12-Year Statewide Science Field Trip Program” (NSF-DRL, \$659,509 of a total of \$2M, 2018-2022).
7. Senior Personnel: “On-the-Spot Assessment to Improve Scientist Engagement with the Public” (NSF-DRL, \$728,117 of a total of \$2,724,675, 2018-2022).
8. Principal Investigator/Lead Evaluator: “National Earth Science Education Collaborative (NASA SMD Science Education Cooperative Agreement via Institute for Global Environmental Strategies, Arlington, VA, \$546,830 of a total of \$6M, 2018-2020).
9. Principal Investigator: “Collaborative Proposal: Developing rural girls' STEM competency and motivation through communicating scientific topics with advanced technology” (NSF-DRL, \$163,031 of \$1,087,000, 2017-2020).
10. Principal Investigator: “Collaborative Research: Grounding Institutional Partnerships in Structures for Broader Impacts Design” (NSF-DRL, \$466,751 of \$2,000,000, 2017-2020).
11. Co-Principal Investigator (as lead evaluator): “Guerilla Science - STEM at the Figment Festival” (NSF-DRL, \$371,598 of \$1,200,000, 2017-2021).
12. Principal Investigator: “GLOBE Citizen Science Needs Assessment” (NASA SMD Science Education Cooperative Agreement under NASA Goddard Space Flight Center, \$125,758, 2017-2018).
13. Co-Principal Investigator: “Center for the Advancement of Informal Science Education” (NSF-DRL, \$278,909 of \$5,000,000, 2016-2021).
14. Co-Principal Investigator: “NRT-IGE: Research to Innovation to Society” (NSF-DGE, \$500,000, 2016-2019).
15. Principal Investigator: “Collaborative Research: STEM Matters: Investigating the confluence of visitor and institutional agendas” (NSF-DRL, \$435,711 of \$1,200,000, 2016-2020).
16. Principal Investigator/Lead Evaluator: “NASA and WGBH: Bringing the Universe to America's Classrooms” (NASA SMD Science Education Cooperative Agreement via WGBH Boston, \$968,473 of a total of \$10M, 2016-2020).
17. Principal Investigator: “Collaborative Research: An Evidence-based Informal STEM Learning (ISL) Professional Framework (NSF DRL, \$272,644, 2015-2017).
18. Principal Investigator: “Successful Out-of-School STEM Learning: A Consensus Study” (NSF-DRL, \$652,088, 2013-2015).
19. Principal Investigator: “Barriers and Opportunities for Completing 2- and 4-Year STEM Degrees” (NSF-HRD/DUE, S.D. Bechtel Foundation, Alfred B. Sloan Foundation, \$1.1M, 2013-2015).
20. Principal Investigator: “The Teacher Professional Learning Continuum: A Consensus Study.” (Merck Foundation, \$1M, 2012-2015).
21. Principal Investigator: “Leadership Support for Activities of the Board on Science Education” (NSF DRL, \$600,000, 2009-2014).
22. Co-Principal Investigator: “Assessment of science learning in K-12” (Carnegie, Bechtel and Hewlett Foundations, \$1M, 2012-2013).

23. Co-Principal Investigator: “Community Colleges in the Evolving STEM Education Landscape” (NSF-DUE, \$369,500, 2011-2013).
24. Principal Investigator: “Climate Change Education Roundtable” (NSF-DUE, \$1,383,876, 2010-2014).
25. Principal Investigator: “Evaluation Framework for Successful K-12 STEM Education: A Consensus Study (NSF-REESE, \$499,929, 2012-2014).
26. Principal Investigator: “Highly Successful K-12 STEM Schools” (NSF-REESE, \$559,287, 2011-2012).
27. Principal Investigator: “Summit on Assessment of Informal and Afterschool Science Learning” (Noyce and Moore Foundations, 150,000, 2011-2012).
28. Principal Investigator: “A Framework for New Science Education Standards” (Carnegie Corporation of New York, \$2.2M, 2009-2012).
29. Co-Principal Investigator: “Sharing the Universe” (NSF-ISE, \$1,605,220; 2007-2010).
30. Co-Principal Investigator: “Portal to the Public” (NSF-ISE, \$2,020,245; 2007-2010).
31. Co-Principal Investigator: “Tales of the Maya Skies” (NSF-ISE, \$2,801,309; 2007-2010).
32. Senior Researcher: “Developing an Evaluation Tool for Environmental Field Days” (NSF-REESE, \$199,514, 2006-2009).
33. Co-Principal Investigator: “Designing the Classroom of Tomorrow by Using Advanced Technologies to Connect Formal and Informal Environments (CONNECT)” (NSF-ISE, \$125,216, 2004-2006).
34. Senior Researcher: “Investigating the Long-Term Impact of a Science Center on Its Community.” (NSF-ISE, \$162,364; 2002-2004).

Publications

Journal articles

- Staus, N., O’Connell, K. & Storksdieck, M. (in review). Addressing the ceiling effect when assessing STEM out-of-school time experiences. *Frontiers in Education*.
- Cho, H., Fischer, Low, R., H., and Storksdieck M. (in review). The STEM Enhancement in Earth Science “Mosquito Mappers” Virtual Internship: Promoting Place-Based Engagement with Citizen Science. *Frontiers in Ecology and Evolution*.
- Fischer, H., Cho, H. & Storksdieck, M. (2021). Going Beyond Hooked Participants: The Nibble-and-Drop Framework for Classifying Citizen Science Participation. *Citizen Science: Theory and Practice*, 6(1): 10, pp. 1–18. DOI: <https://doi.org/10.5334/cstp.350>
- Heimlich, J., Morrissey, K., Glass, M., Storksdieck, M., Schatz, D. & Hunter, N. (2021). Building an informal STEM learning professional competency framework. *New Horizons in Adult Education and Human Resource Development* 33(1): 25-36. <https://doi.org/10.1002/nha3.20303>
- Storksdieck, M. & Falk, J.H. (2020). Valuing free-choice learning in national parks. *Parks Stewardship Forum* 36(2): 271–280. <https://escholarship.org/uc/item/2z94016m>
- O’Connell, K.B., Keys, B., Storksdieck, M., & Rosin, M. (2020). Context Matters: Using art-based science experiences to broaden participation beyond the choir. *International Journal of Science Education, Part B*, 10(2): 166-185. DOI: [10.1080/21548455.2020.1727587](https://doi.org/10.1080/21548455.2020.1727587).
- O’Connell, K.B., Hoke, K., Berkowitz, A.R., Branchaw, J., & Storksdieck, M. (2020). Undergraduate Learning In the Field: Designing Experiences, Assessing Outcomes, and Exploring Future Opportunities. *Journal of Geoscience Education*. <https://doi.org/10.1080/10899995.2020.1779567>
- Jones, E.C. & Storksdieck, M. (2019). Recent research on the social network concept and cancer. *Current Opinion in Supportive & Palliative Care* 13(3): 225-237. doi: [10.1097/SPC.0000000000000442](https://doi.org/10.1097/SPC.0000000000000442).

- Rosin, M., Wong J., O'Connell, K., Storksdieck, M., & Keys, B. (2019). Guerilla Science: Mixing science with art, music and play in unusual settings. *Leonardo*. Posted Online May 31, 2019; https://doi.org/10.1162/leon_a_01793
- Stylinski C.D., Storksdieck M., Canzoneri N., Klein E., & Johnson A. (2018): Impacts of a comprehensive public engagement training and support program on scientists' outreach attitudes and practices. *International Journal of Science Education, Part B*, 8(4): 340-354.
DOI: 10.1080/21548455.2018.1506188
- Jones, E.C., Storksdieck, M., and Rangel, M.L. (2018): Social Networks that Support and Constrain (Minority) Patients with Cancer. *Frontiers in Public Health* 09/2018; 6:240.
- Risien, J. & Storksdieck, M. (2018). Unveiling Impact Identities: A Path for Connecting Science and Society. *Integrative and Comparative Biology*, 58(1): icy011, <https://doi.org/10.1093/icb/icy011>.
- Gorman, J.R., Standridge, D., Lyons, K.S., Elliot, D.L., Winters-Stone, K., Julian, A.K., Weprin, J., Storksdieck, M., and Hayes-Lattin, B. (2017). Patient-centered communication between adolescent and young adult cancer survivors and their healthcare providers: Identifying research gaps with a scoping review. *Patient Education and Counseling*.
- Storksdieck, M, Shirk, J L, Cappadonna, J L, Domroese, M, Göbel, C, Haklay, M, Miller-Rushing, A J, Roetman, P, Sbrocchi, C and Vohland, K. (2016). Associations for Citizen Science: Regional Knowledge, Global Collaboration. *Citizen Science: Theory and Practice*, 1(2): 1, pp. 1–10, DOI: <http://dx.doi.org/10.5334/cstp.55>
- Storksdieck, M. (2016). Critical information literacy as core skill for lifelong STEM learning in the 21st Century: Reflections on the desirability and feasibility for widespread science media education. *Cultural Studies of Science Education* 11(1): 167-182. 10.1007/s11422-015-9714-4.
- Besley, J.D., Dudo, A. & Storksdieck, M. (2015). Scientists' Views about Communication Training. *Journal of Research in Science Teaching* 52(2): 199-220.
- Storksdieck, M. (2015). Using Microscopy for Authentic Science Teaching: A Learning Sciences Perspective. *Microscopy and Microanalysis*, 21(S3), 647-648. doi:10.1017/S1431927615004031
- Storksdieck, M. (2014). Everyone a scientist? Opening scientific research to a broader public. *ASTC Dimensions* 5/6: 27-29. <https://www.astc.org/DimensionsPDFS/2014/MayJun.pdf>
- Allen, S. & Storksdieck, M. (2013). A Review of "Putting Theory Into Practice: Tools for Research in Informal Settings (New Directions in Mathematics and Science Education, No. 25)." *Visitor Studies* 16 (2): 226-228.
- Selvakumar, M. & Storksdieck, M. (2013). Portal to the Public: Museum educators collaborating with scientists to engage museum visitors with current science. *Curator: The Museum Journal* 56(1): 69-78. <https://doi.org/10.1111/cura.12007>.
- Yocco, V., Jones, E.C. & Storksdieck, M. (2012). Factors contributing to amateur astronomers' involvement in education and public outreach. *Astronomy Education Review* 11(1): <http://dx.doi.org/10.3847/AER2011040>.
- Heimlich, J.E., Carlson, S. & Storksdieck, M. (2011). Building face, construct and content validity through use of a modified Delphi: Adapting grounded theory to build an environmental field days observation tool. *Environmental Education Research* 17(3): 287-305.
- Carlson, S.P., Heimlich, J.E. & Storksdieck, M. (2011). Validating an Environmental Education Field Day Observation Tool. *International Electronic Journal of Environmental Education* 1(3): <http://www.iejegreen.com/index.php/iejegreen/article/view/24/19>

- Falk, J.H. & Storksdieck, M. (2010). Science learning in a leisure setting. *Journal of Research in Science Teaching* 47(2), 192-212.
- Doering, Z.D. & Storksdieck, M. (2010). Introducing the special issue on science [From the editors]. *Curator – The Museum Journal* 53(2): 127-128.
- DeWitt, J. & Storksdieck, M. (2008). A short review on school field trips: Key findings from the past and implications for the future. *Visitor Studies* 11(2): 181-197.
- Storksdieck, M. (2007). Using web survey in early front-end evaluations with open populations: A case study of amateur astronomers. *Visitor Studies* 10(1): 47-54.
- Heimlich, J.E. & Storksdieck, M. (2007). Changing thinking about Learning for a Changing World. *Southern African Journal of Environmental Education* 24: 63-75.
- Falk, J.H. & Storksdieck, M. & Dierking, L.D. (2007). Investigating public science interest and understanding: evidence for the importance of free-choice learning. *Public Understanding of Science* 16(4): 455-469.
- Anderson, D.; Kisiel, J. & Storksdieck, M. (2006). School field trip visits: understanding the teacher's world through the lens of three international studies. *Curator – The Museum Journal* 49(3): 365-386.
- Storksdieck, M. & Stein, J. (2006). What they bring with them: Museum visitors' perspectives on Evolution. *ASTC Dimensions* 3/4: 8-9. <https://www.astc.org/DimensionsPDFS/2006/MarApr.pdf>
- Storksdieck, M., Ellenbogen, K. & Heimlich, J.E. (2005). Changing Minds? Factors that influence free-choice learning about environmental conservation. *Environmental Education Research* 11(3): 353-369.
- Falk, J.H. & Storksdieck, M. (2005). Using the *Contextual Model of Learning* to understand visitor learning from a science center exhibition. *Science Education* 89: 744-778.
- Falk, J.H. & Storksdieck, M. (2005). Learning science from museums. *História, Ciências, Saúde - Manguinhos* 12 (Supplement: Sciences and Museums – 4th Science Centre World Congress Dossier): 117-144.
- Ellenbogen, K., Storksdieck, M. & Heimlich, J.E. (2003). Changing minds: Learning outcomes in environmental education. *ASTC Dimensions* 11/12: 13-15. <https://www.astc.org/DimensionsPDFS/2003/NovDec.pdf>
- Dierking, L.D.; Cohen Jones, M.; Wadman, M.; Falk, J.H.; Storksdieck, M. & Ellenbogen, K. (2002): Broadening our notions of the impact of free-choice learning experiences. *Informal Learning Review* 55, July-August 2002, pp.1, 4-7.
- Storksdieck, M. (2001). Differences in teachers' and students' museum field-trip experiences. *Visitor Studies Today!* 4 (1): 8-12.

Books

- National Research Council (2014). *Climate Change Education: Preparing Future and Current Business Leaders - A Workshop Summary*. M. Storksdieck, Rapporteur. Washington, DC: The National Academies Press. <https://doi.org/10.17226/18813>.
- National Research Council (2014). *Climate Change Education: Engaging Family Private Forest Owners on Issues Related to Climate Change - A Workshop Summary*. Alexandra S. Beatty, Michael Feder, and

Martin Storksdieck, Rapporteurs. Washington, DC: The National Academies Press.
<https://doi.org/10.17226/18807>.

Gibbs, M.G.; Berendsen, M. & Storksdieck, M. (eds.) (2007). *Science educators under the stars: Amateur astronomers engaged in education and public outreach*. San Francisco: Astronomical Society of the Pacific.

Storksdieck, M. (2006). *Field trips in environmental education*. Berlin, Germany: Berliner Wissenschafts-Verlag.

Book Chapters

Fischer, D., Selm, H., Sundermann, A., and Storksdieck, M. (2020): Storytelling for Sustainability: A Definition and its Implications for Education and Communication. In Luna, H., Molthan-Hill, P., Baden, D., and Wall, T. (eds.): *Using storytelling in education for sustainable development (ESD)*. Routledge.

Storksdieck, M. & Falk, J.H. (2020). Commentary: National Parks as Places for Free-Choice Learning. Chapter 21 (pp. 265-270) in Thompson, J.L. & Houseal, A. (Eds.). *America's largest classroom: What we learn from our National Parks*. Berkeley, CA: University of California Press.

Fischer, D. & Storksdieck, M. (2018). Storytelling: Ein Ansatz zum Umgang mit Komplexität in der Nachhaltigkeitskommunikation? [Storytelling: An Approach to Tackle Complexity in Sustainability Communication] Pages 161-176 in Pyhel, T. (ed.). *Zwischen Ohnmacht und Zuversicht? Vom Umgang mit Komplexität in der Nachhaltigkeitskommunikation. [Between Powerlessness and Confidence? On Addressing Complexity in Sustainability Communication]*. DBU-Umweltkommunikation Vol. 10. München: Oekom.

Falk, J.H., Storksdieck, M., Dierking, L.D., Babendure, J., Canzoneri, N., Pattison, S., Meyer, D., Verbeke, M., Coe, M. & Palmquist, S. (2017). The learning SySTEM. In R. Ottinger (Ed.). *STEM ready America*. Flint, MI: Charles Stewart Mott Foundation. <http://stemreadyamerica.org/the-learning-system/>

Lohwater, T. & Storksdieck, M. (2017). Science Communication at Scientific Institutions. Chapter 19 (pp. 179-186). In Scheufele, D., Kahan, D.M. & Hall Jamieson, K. (eds). *Handbook of the Science of Science Communication*. NY: Oxford University Press.

Storksdieck, M. (2015). Transforming Undergraduate STEM Education: Responding to Opportunities, Needs and Pressures. Chapter 2 in Weaver, G.C., Burges, W.D., Childress, A.L. & Slakey, L. (eds). *Transforming Institutions: Undergraduate STEM Education for the 21st Century*. Purdue University Press.

DeWitt, J., & Storksdieck, M. (2015). Excursions. In *Encyclopedia of Science Education*. (pp. 415-418). Springer.

Dierking, L.D., Storksdieck, M. & Falk, J.H. (2013). Learning from neighboring fields: Conceptualizing outcomes of environmental education within the framework of free-choice learning experiences. Chapter 34 in Stevenson, R., Brody, M., Dillon, J., & Wals, A. (Eds.) (2013). *International Handbook of Research on Environmental Education*. Washington, DC: AERA/Routledge.

Brody, M. & Storksdieck, M. (Eds.). Evaluation of programs, materials, and technologies and the assessment of learners and learning in environmental education. Section 6: in Stevenson, R., Brody, M., Dillon, J., & Wals, A. (Eds.) (2013). *International Handbook of Research on Environmental Education*. Washington, DC: AERA/Routledge.

Storksdieck, M., Stein, J.K. & Jones, E.C. (2012). Hobbyists in the Role of Environmental Educator: The

- Case of Amateur Astronomy Clubs. Chapter 5 in Kopnina, H. (Ed.). *Anthropology of Environmental Education*. New York: Nova Science Publishers.
- Storksdieck, M. & Stylinski, C.D. (2010). The role and influence of news media on public understanding of environmental issues. Chapter 8 in Stevenson, R. B. & Dillon, J. (eds). *Engaging Environmental Education: Learning, Culture and Agency*. Rotterdam (NL): Sense Publishers.
- Storksdieck, M. & Berendsen, M. (2007). Attributes and practices of amateur astronomers who engage in education and public outreach. In Gibbs, M.G.; Berendsen, M. & Storksdieck, M. (eds.). *Science educators under the stars: Amateur astronomers engaged in education and public outreach*. pp. 31-42. San Francisco: Astronomical Society of the Pacific.
- Berendsen, M. & Storksdieck, M. (2007). Knowledge of astronomy among amateur astronomers. In Gibbs, M.G.; Berendsen, M. & Storksdieck, M. (eds.). *Science educators under the stars: Amateur astronomers engaged in education and public outreach*. pp. 43-56. San Francisco: Astronomical Society of the Pacific.
- Anderson, D., Storksdieck, M. & Spock, M. (2007). The long-term impact of museum visits. In Falk, J.H., Dierking, L.D., Ellenbogen, K & Stein, J. (eds.) *In Principle-In Practice: New Perspectives on Museums as Learning Institutions*. Lanham, MD: AltaMira Press.
- Storksdieck, M. (2005). Making the case for urban outreach: What can the protected areas community learn from museums? In Trzyna, T. (ed.): *The Urban Imperative*. Sacramento, CA: California Institute of Public Affairs, pp. 157-164. [<http://www.interenvironment.org/pa/storksdieck.htm>]
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www7.nationalacademies.org/bose/Informal_Science_John_Falk_Think_Piece.pdf
- Storksdieck, M. & Falk, J.H. (2004). Evaluating public understanding of research projects and initiatives. In Chittendan, D., Farmelo, G. & Lewenstein, B.V. (eds.): *Creating Connections – Museums and the public understanding of research*, pp. 87-108. Walnut Creek, CA: AltaMira Press.
- Storksdieck, M. (1998). Das McCloy Programm: Idee und Ideologie. Drei kritische Anmerkungen eines Teilnehmers [The McCloy Program: idea and ideology. Three critical remarks of an alumnus]. In Lorenz, S. & Machill, M. (eds.). *Transatlantik. Transfer von Politik, Wirtschaft und Kultur*. Opladen: Westdeutscher Verlag.
- Storksdieck, M. (1998). Sonne, Klima, Mensch kompakt [Sun, climate, men condensed]; hyperlinked chapter in Öko-Institut e.V. (ed.): *Thermische Solaranlagen—Marktübersicht [Solar thermal systems: A consumer guide]*. CD-ROM, Freiburg, Germany: Öko-Institut.
- Storksdieck, M. (1994). Environmental management instruments and tools. In Otto-Zimmermann, K. (ed.): *ICLEI's Guide to Environmental Management for Local Authorities in Central and Eastern Europe, Volume 5*. ICLEI: Freiburg.
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- Manning, J.G; Gurton, S.; Hurst, A.; Berendsen, M.; Storksdieck, M.; Haley-Goldman, K.; Stein, J.K.; Pompea, S.; Garmany, C.; Sparks, R. & Pollock, W. (2007). Interactions and interventions: Current research on improving informal astronomy education via the Astronomical Society of the Pacific (ASP). American Astronomical Society Meeting #211 (#31.03). *Bulletin of the American Astronomical Society* 39(4): 783.
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- Storksdieck, M., Heimlich, J.E., & Muscat, A.M. (2006). Differences in visitor and resident conservation awareness and knowledge on Santa Catalina Island. *Proceedings of the 2006 Annual Meeting of the National Association for Research in Science Teaching (NARST)*, San Francisco, CA, April 3-6, 2006.
- Haley Goldman, K. & Storksdieck, M. (2004). Free-choice learning in the digital age: Challenges and chances for school-museum cooperations. In Sotiriou, S. (ed.): *Advanced Technologies in Education. Proceedings of the international symposium "Designing the Science Laboratory for the School of Tomorrow."* Kefalonia, Greece, 4-6 July, 2004, pp. 61-72. Athens, Greece: Ellinogermaniki Agogi.
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- Storksdieck, M. (1998). Multimedia-based environmental science education: From local use to broad dissemination. ED-MEDIA - The World Conference on Educational Multimedia and Hypermedia, Freiburg, 23.-25. June 1998, *Proceedings*: 1844-45.

Other scholarly publications

- Bell, J., Besley, J., Cannady, M., Crowley, K., Grack Nelson, A., Philips, T., Riedinger, K., & Storksdieck, M. (2019). *The Role of Interest in STEM Learning and Science Communication: Reflections on Interviews from the Field*. Washington, DC: Center for Advancement of Informal Science Education. <https://www.informalscience.org/sites/default/files/CAISE%20Interest%20Overview.pdf>
- Bell, J., Besley, J., Cannady, M., Crowley, K., Grack Nelson, A., Philips, T., Riedinger, K., & Storksdieck, M. (2019). *The Role of Engagement in STEM Learning and Science Communication: Reflections on Interviews from the Field*. Washington, DC: Center for Advancement of Informal Science Education. <https://www.informalscience.org/sites/default/files/CAISE%20Engagement%20Overview.pdf>
- Storksdieck, M., Bevan, B., Risien, J., Nilson, R., & Willis, K. (2018). *Charting the Intersection of Informal STEM Education and Science Communication: Results of a Social Network Study*. Washington, DC: Center for Advancement of Informal Science Education. http://informalscience.org/sites/default/files/CAISE-Social-Network-Study-2018_0.pdf
- Bell, J., Besley, J., Cannady, M., Crowley, K., Grack Nelson, A., Philips, T., Riedinger, K., & Storksdieck, M. (2018). *The Role of Identity in STEM Learning and Science Communication: Reflections on Interviews from the Field*. Washington, DC: Center for Advancement of Informal Science Education. https://www.informalscience.org/sites/default/files/CAISE%20Identity%20Overview_0.pdf
- Adams, J.; Bell, J.; Crowley, K.; DeWitt, J.; Kanter, D.; Storksdieck, M.; Toro, S.; and Zimmerman, H.T. (2014). Informal STEM Learning: A Roadmap For Research and Practice (Guest Editorial submitted to the *Journal of Research in Science Teaching*). http://www.informalscience.org/sites/default/files/CAISE_PAR_Roadmap.pdf
- Carlson, S.P.; Heimlich, J.E.; Storksdieck, M. & Mayer, N. (2009). *Best Practices for Field Days Assessment Tool and Observation Protocol*. University of Minnesota Extension Publication #08653 (www.extension.umn.edu/fielddays).
- Storksdieck, M. (2000). "Green" labeling for college-level environmental education? *Environmental Communicator* 30(4), p. 12.
- Storksdieck, M. (1997). Planetarium und Ökostation Freiburg: "Vom Blauen Planeten ins Grüne Klassenzimmer." [Planetarium and Freiburg nature center: from the Blue Planet to the Green Classroom]. *ökopädNews* 78: 3-4.
- Storksdieck, M. (1995). Die dicksten Kartoffeln...ernten auch nach der Konferenz von Nassau die Konzerne des Nordens. *blätter des iz3w* 204: 48-49.

Presentations and panels (selection, not fully updated after 2015)

- Storksdieck, M. & Staus, N. (2020). Measuring Professional Advances in ISL: Framing the Discussion. Paper 1 of "Professional Development Opportunities for Informal STEM Learning Professionals: A Symposium for NARST 2020 (conference cancelled). Panel description published at <https://www.informalscience.org/professional-development-opportunities-informal-stem-learning-professionals>
- Staus, N.L.; Storksdieck, M. & Hunter, N. (2019). Using an Evidence-based Professional Learning Framework to Strengthen and Broaden the Informal STEM Learning Field. NARST 2019 Annual International Conference, Baltimore, MD, USA, March 31 - April 3, 2019.
- Fischer, H.A., Storksdieck, M. & Kohl, H. (2019). Nibble and Drop: Why do Volunteers Drop out of Citizen Science Programs. Citizen Science Association Conference. Raleigh NC, March 13-17, 2019.

- Fischer, H.A., Storksdieck, M. & Martin, A. (2018). Using Social Network Analysis to Understand NASA Collaborations. American Geophysical Union Fall Meeting. Washington DC, 10-14 December, 2018.
- Storksdieck, M. (2018). Informal Science Education. Invited keynote at CREATIONS 2018: Creating Conditions for Deeper Learning in Science. Ellinogermaniki Agogi, Athens, November 2-3, 2018.
- Storksdieck, M., with Glass, M., Schatz, D. & Morrissey, K. (2018). Professional Learning Planning: A Model for Organizational Staff Development. Association of Science-Technology Centers (ASTC) Annual Conference, Hartford, CT, 9/29-10/2, 2018.
- Storksdieck, M., with Voiklis, J., Riedinger, K. & Semper, R. (2018). Aligning Your Agendas with Those of Your Visitors: Lessons Learned from Zoos and Aquariums. Association of Science-Technology Centers (ASTC) Annual Conference, Hartford, CT, 9/29-10/2, 2018.
- Kamarainen, A.; Stylinski, C.; Kermish-Allen, R.; Gagnon, D. & Storksdieck, M. (2018). Participatory Place-Based Augmented Reality Co-Design for Scientists and Girls. 2018 Connected Learning Summit, Cambridge, MA, August 1-3, 2018.
- Stylinski, C., Storksdieck, M., Kamarainen, A., Riedinger, K., Kermish-Allen, R. (2018). Harnessing Digital Media to Support, rather than Hinder, Environmental Literacy. A research symposium at the 2018 annual conference of North American Association for Environmental Education in Spokane, WA.
- Storksdieck, M., with Calabrese-Barton, M., Dierking, L.D. & Tan, E. (2018). Symposium – Ecological Perspectives on Learning: Rethinking Our Questions, Methods, and Partnerships. NARST 2018 Annual International Conference, Atlanta, GA, USA, March 10-13, 2018.
- Storksdieck, M., O’Connell, K. & Keys, B. (2018). Taking Stock of Oregon STEM Hubs: Accomplishments and Challenges. NARST 2018 Annual International Conference, Atlanta, GA, USA, March 10-13, 2018.
- Riedinger, K., Canzoneri, N. & Storksdieck, M. (2018). Investigating the Confluence of Visitor and Institutional Agendas. NARST 2018 Annual International Conference, Atlanta, GA, USA, March 10-13, 2018.
- Storksdieck, M., with Bell, J., Massarani, L. & Bostrom, A. (2017). Informal STEM Learning and Science Communication: Overlaps, Asymmetries, and Opportunities. Association of Science-Technology Centers (ASTC) Annual Conference, San Jose, CA, 10/21-10/24, 2017.
- Storksdieck, M, with Rosin, M., McDougall, M., Wong, J. & Levine, M. (2017). Beyond the (Science) Choir: How Art and Culture Broaden Audiences. Association of Science-Technology Centers (ASTC) Annual Conference, San Jose, CA, 10/21-10/24, 2017.
- Storksdieck, M., Baram-Tsabari, A., Lewenstein, B.V., Dudo, A. & Lohwater, T. (2017). Symposium: Science Communication Education for STEM Professionals: Teaching Scientists to Communicate with Non-Expert Audiences. NARST 2017 Annual International Conference, Atlanta, GA, USA, April, 2017.
- Storksdieck, M. & Stylinski, C. (2017). The role of partnership in empowering high-quality outreach by scientist: Recent and ongoing research Coordinated Panel. National Association for Broader Impacts. Skamania Lodge, Stevenson, WA.
- Stylinski, C. & Storksdieck, M. (2017). Supporting public engagement of science within broader impacts efforts Workshop. National Association for Broader Impacts. Skamania Lodge, Stevenson, WA.
- Storksdieck, M., with Glass, M., Heimlich, J., Schatz, D. & Hunter, N. (2016). Building a Professional Learning Framework for Informal STEM Education. Association of Science-Technology Centers (ASTC) Annual Conference, Tampa, FL, 9/24-10/27, 2016.

- Storksdieck, M. (2015). Acknowledging connected learning through time and space: Embedding individuals into their personal learning ecology. *I-WISE*, September 2-5, 2015, Albuquerque, N.M. [http://www.neatoeco.com/iwise3/wp-content/uploads/2015/09/Connected_Learning-Storksdieck_sm.pdf]
- Storksdieck, M. & Stylinski, C. (2015). A Typology of Public Engagement. American Association for the Advancement of Science Live Trellis Discussion. Online.
- Storksdieck, M. (2014). Cultivating a STEM-Ready Society. Public Lecture, Oregon State University, Corvallis, OR, 31 October 2014.
- Storksdieck, M. (2014). How to prepare graduate students for success? Invited Plenary Talk at the BEST kick-off meeting at Cornell University, Ithaca, 18 March 2014.
- Storksdieck, M. (2014). What is gifted in light of changes to K-16 science education? Featured Presentation at the Eleventh Biennial Henry B. & Jocelyn Wallace National Research & Policy Symposium on Talent Development, Arlington, VA, March 23-25, 2014
- Storksdieck, M. (2014). Creating an Ecosystem for Science Learning In and Out of School (Organizer – with D. Schatz, Moderator). AAAS, Chicago, IL, February 14-17, 2014.
- Storksdieck, M. (2014). How to Rebuild Informed Trust in Science: Insights from Social Sciences (Discussant). AAAS, Chicago, IL, February 14-17, 2014.
- Storksdieck, M., with Braha, J., Sarewitz, D., Desmet, E (2014). Workshop — Broader Impacts Directions: What is the future of BI and where can it go? Broader Impact Infrastructure Summit, Washington, DC, April 14-16, 2014.
- Storksdieck, M. (2013). Science Engagement at the US National Academy of Sciences. GSEE/Asia Founding Summit, Kyoto. JP, October 20-23, 2013.
- Storksdieck, M. (2013). Undergraduate Science Education at a Crossroad: Responding to Research Findings. Chair/Moderator. AAAS, Boston, February 15-18, 2013.
- Storksdieck, M. (2013). New Tools to Engage Publics and Assess the Impact of Science Communication. AAAS, Boston, February 15-18, 2013.
- Defining Impacts and Outcomes of STEM Learning in Afterschool. Afterschool Alliance Annual Conference. Washington, DC. May 8, 2012.
- Evaluating Public Communication of Science at the Individual, Workshop and Regional Level. 12th International Public Communication of Science and Technology Conference, that will be held in Florence, Italy, April 18th - 20th, 2012.
- Discussant in session: Understanding Emerging Opportunity Structures in STEM Education: Research Efforts to Explore School-Level Innovations. AERA, Vancouver, Canada, April 14-16, 2012.
- Storksdieck, M. (2013). Public Perceptions of Climate Change. AERA, Vancouver, Canada, April 14-16, 2012.
- Valadez, J. & M. Storksdieck: Successful K-12 STEM education: identifying effective approaches in STEM. NSTA, Indianapolis, IN, March 29-31, 2012.
- Storksdieck, M. (2013). Next Generation Science Standards: Tracking the Federal Research Agenda. NARST, March 26, 2012.

- Co-organizer (with Mark McCaffrey, Tamara Ledley, Stephanie Pfirman): The Climate and Energy Literacy Initiative: A Strategic Planning Summit. The Brower Center, Berkeley, CA, December 7-9, 2012.
- Storksdieck, M.: Trans- and Interdisciplinarity in K-14 Climate Change Education: Trends Emerging from Recent Reports by the National Research Council. AGU, December 3-6, 2012.
- Invited talk: The Changing Demands on STEM Education and Outreach at American Research Universities. The Reinvention Center, Arlington, VA, November 9, 2012.
- Staveloz, W., Friedman, A., Storksdieck, M., Pruitt, S. & Schatz, D.: Science Standards and Science Museums: Where are we going? ASTC, Columbus, OH, October 2012.
- Opening address at SENCER Summer Institute in Santa Clara, CA, August 2-4, 2012.
- Invited Keynote: IAMSTEM Summit, UC Davis, June 8, 2012.
- Invited Presentation: Sackler Colloquium on the Science of Science Communication. Washington, DC, May 21-22, 2012.
- Storksdieck, M. (2012). Increasing motivation and interest in science and engineering by redefining school-based learning. Society for Research on Adolescence Annual Meeting. Vancouver, BC, March 8-10, 2012.
- Storksdieck, M., Stein, J.K. & Jones, E.C. (2012). The roles of citizen science and serious leisure in public engagement with science. AAAS, Vancouver, BC, February 17-21, 2012.
- The Role of Standards in Achieving Science Literacy: A Multi-Country Perspective. AAAS, Vancouver, BC, February 17-21, 2012.
- Storksdieck, M. (2012). What informal science educators should know about the new vision for K-12 science education. Keynote given at the Texas Informal Science Educator Association Conference, Van, TX, February 15-17, 2012.
- Storksdieck, M. (2011). Improving Postsecondary STEM Education Based on Research Evidence. Transforming STEM Education: From Innovation to Implementation. Perdue University, October 10-12, 2011.
- Storksdieck, M. (2011). STEM Everywhere: Out-of-school Learning. Panelist at STEM Smart: Lessons Learned from Successful Schools. A Conference Hosted by the National Science Foundation at Drexel University, Philadelphia, September 19, 2011.
- Jones, E.C., Storksdieck, M., Johnson, E., Stein, J.K., Figueiredo, C. & Berendsen, M. (2011). Amateur Astronomers as Educators: An Ethnographic Study of Club Culture. Astronomical Society of the Pacific Annual Meeting, Baltimore, MD, July 30-August 3, 2011.
- Keynote: Storksdieck, M. (2011). Chemistry in the public mind: perception, learning and emotion. GRC Conference on Chemistry Education Research & Practice, Foundations and Frontiers, Davidson College, Davidson, NC, June 26-July 1, 2011.
- Keynote: Storksdieck, M. (2011). Selling Sound Science: Kindergartner to Policymaker. Featured Speech at the 2011 Ground Water Summit and 2011 Ground Water Protection Council Spring Meeting in Baltimore, MD, May 1-5, 2011.
- Storksdieck, M. (2011). What does it mean to be scientifically literate in today's world of ready, abundant and questionable information? Invited presentation at Oregon State University, Corvallis, OR, April 29, 2011.

- Storksdieck, M. (2011). Citizen Science and Science Education: What Do People Learn When They Do? AAAS, Washington, DC, February 17-21, 2011.
- Storksdieck, M. (2011). New science education standards on the horizon: what does it mean for science educators? Invited presentation at the California State University Long Beach, February 15, 2011.
- Weiss, M., Evans, E. M., Lane, J. D., Storksdieck, M. & Palmquist, S. (October, 2010). If we build it will they learn? Presented at the Annual Meeting of the Association of Science and Technology Centers, Hawaii.
- Storksdieck, M. (2010). Learning About Evolution in an Informal Setting: Implications for Lifelong Learning. AAAS, San Diego, CA, February 18-22, 2010.
- Note: some conferences for 2010 and the second half of 2009 are not recorded here.*
- Stylinski, C. & Storksdieck, M. (2009). What does the public learn from the media about sustainable agriculture? Breakout session at The American Institute of Biological Sciences Annual Meeting, Arlington, VA, May 18-19, 2009.
- Stylinski, C. & Storksdieck, M. (2009). News media and informal learning of environmental issues. Cary Conference XIII (Effective Communication of Science in Environmental Controversies), Millbrook, NY, May 5-8, 2009.
- Storksdieck, M.; Reidell, A. & Lind, T. (2009). Mixing It Up: Engaging Visitors Through Cross-Disciplinary Exhibits. Panel Discussion, American Association of Museums Annual Meeting and Expo, Philadelphia, April 30-May 4, 2009.
- Hayward, M.; Lombardo, B.; Cohen, M.; Storksdieck, M. & Mauriello, E. (2009). The Emerging Digital Museum. Panel Discussion, American Association of Museums Annual Meeting and Expo, Philadelphia, April 30-May 4, 2009.
- Stylinski, C.D.; Storksdieck, M., Falk, J.H. & Fraser, J. (2009). News Media Impacts on Public Understanding of Science. Strand Invited Symposium at the NARST Annual International Conference, Garden Grove, CA, April 17-21, 2009.
- Heimlich J., C. Stylinski & Storksdieck, M. (2009). Children and Nature: What works and how do we know? North American Association for Environmental Education Research Symposium. Portland, OR.
- Storksdieck, M. Ashley, C. & Mendez, A. (2008). The role of culture and worldviews in science learning. Association of Science-Technology Centers Annual Conference, Philadelphia, PA, October 18-21, 2008.
- Weiss, M.; Storksdieck, M.; Campbell, E. & Evans, E.M. (2008). Visitors and scientists: Are they speaking the same language? Association of Science-Technology Centers Annual Conference, Philadelphia, PA, October 18-21, 2008.
- Motto, A.; Wesi, R.; Alonzo, J.; Bowers, M. & Storksdieck, M. (2008). The 4th Annual Inquiry Fashion Show. Association of Science-Technology Centers Annual Conference, Philadelphia, PA, October 18-21, 2008.
- Carlson, S.; Storksdieck, M. & Heimlich, J.E. (2008). Developing a "Best Practices for Field Days" assessment tool. 37th NAAEE conference, Wichita, KS, October 15-18, 2008.
- Stylinski, C. & Storksdieck, M. (2008). News media impacts on public understanding and attitude about environmental issues. The 93rd ESA Annual Meeting, Wilwaukee, WI, August 3 - 8, 2008).

- Evans, E.M.; Weiss, M.; Koke, J.; Storksdieck, M. & Kennedy, J. (2008). Conversations across disciplines: From theory to practice – The Spiral Model. 21st Annual Visitor Studies Association Conference, Houston, TX, July 16 - 19, 2008.
- DeWitt, J.; Randol, S. & Storksdieck, M. (2008). What's really going on here? Using triangulation to investigate questions of interest 21st Annual Visitor Studies Association Conference, Houston, TX, July 16 - 19, 2008.
- Storksdieck, M. (2008). Many came, and some came back – reaching and retaining underserved audiences. American Association of Museums Annual Meeting and Expo, Denver, April 27-May 1, 2008. [<http://www.netsymposium.com/index.php?select=product&data=24472>]
- Koke, J.; Evans, E.M.; Rand, J.; Storksdieck, M. & Weiss, M. (2008). Visitors and scientists: Are they speaking the same language? American Association of Museums Annual Meeting and Expo, Denver, April 27-May 1, 2008.
- Storksdieck, M. (2008). Building a quality field trip teacher survey instrument. NARST Annual International Conference, Baltimore, MD, March 30-April 2, 2008.
- Falk, J.H. & Storksdieck, M. (2008). Science learning in a leisure setting. NARST Annual International Conference, Baltimore, MD, March 30-April 2, 2008.
- Carlson, S.P.; Heimlich, J. Storksdieck, M. & Tanner, D. (2008). Best practices for field days assessment tool. NARST Annual International Conference, Baltimore, MD, March 30-April 2, 2008.
- Storksdieck, M. (2008). The public understanding of evolution and how attitudes change. American Association for the Advancement of Science. Boston, February 15-18, 2008.
- Stylinski, C.; Storksdieck, M.; Heimlich, J.E. & Bronnenkant, K. (2007). Using news media for environmental learning and behavior change. 4th NAAEE Research Symposium, November 12-13, 2007, Virginia Beach, VA.
- Storksdieck, M.; Stylinski, C.; Heimlich, J.E. & Bronnenkant, K. (2007). Using news media for environmental learning and behavior change. Symposium at the Annual NAAEE Conference, November 14-17, 2007, Virginia Beach, VA.
- Flanagan, C, & Storksdieck, M. (2007). Understanding your audience – The key to effective Interpretive Master Planning. American Public Gardens Association 2007 Education Symposium on Interpretive Master Planning. October 22-24, 2007, San Diego, CA.
- Schatz, D.; DeWitt, J.; Storksdieck, M.; DeFrancis, G. & Sedzielarz, M. (2007). Educationally Effective Field Trips, Part 1: Bridging Research and Practice. Association of Science-Technology Centers Annual Conference, Los Angeles, CA, October 12-16, 2007.
- Burtnyk, K.; Kisiel, J.; Anderson, D. & Storksdieck, M. (2007). Figuring out what works—Examining the role of vision and culture in developing effective field trip experiences. Association of Science-Technology Centers Annual Conference, Los Angeles, CA, October 12-16, 2007.
- Borun, M.; Reich, C.; Storksdieck, M.; Dietrich, R. & Israel, E. (2007). Issues in Audience Research and Evaluation. Association of Science-Technology Centers Annual Conference, Los Angeles, CA, October 12-16, 2007.
- Falk, J., Storksdieck, M., & Stein, J. (2007). Visitor Identity-Related Motivations: An exploration of the theory, findings and potential of this research construct for understanding visitor learning and for promoting more effective use of museum resources. 20th Annual Visitor Studies Association

- Conference, Ottawa, Ontario, Canada, July 17 - 21, 2007, Columbus, OH: Visitor Studies Association. [http://www.informalscience.org/knowledge/citation_view.php?refID=5380]
- Storksdieck, M. (2007). Using the visitor identity-related motivations scale to improve visitor experiences at the U.S. Botanic Garden. Visitor Studies Conference, Ottawa, CN, July 19-21, 2007.
- Heimlich, J.E. & Storksdieck, M. (2007). Measures of success: Two approaches to developing observation tools for judging the educational value of field trips and field days. Visitor Studies Conference, Ottawa, CN, July 19-21, 2007. [http://www.informalscience.org/knowledge/citation_view.php?refID=5360]
- Storksdieck, M. (2007). Evaluating visualizations in free-choice settings. Gordon Research Conference, Bryant University, Smithfield, RI, July 1-6, 2007.
- Manning, J.G.; Gurton, S.; Hurst, A.; Berendsen, M.; Storksdieck, M.; Haley-Goldman, K.; Stein, J.; Pompea, S.; Garmany, C; Sparks, R. & Pollock, W. (2007). Interactions and Interventions: Current Research on Improving Informal Astronomy Education via the Astronomical Society of the Pacific (ASP). *Bulletin – American Astronomical Society* 39(4): 031.03.
- Barnett, A.; Wyatt, R.; Beining, D.; Storksdieck, M. & Yu, K. (2006). Understanding the audience potential of FullDome digital video. Association of Science - Technology Centers Annual Conference, Louisville, KY, October 28-31, 2006.
- Bennett, M.; Pompea, S.M.; Zevin, D.; Storksdieck, M.; Gurton, S.; Pollock, W. & Rubin, A. (2006). Making the best of both: Professional development, onsite and online. Association of Science - Technology Centers Annual Conference, Louisville, KY, October 28-31, 2006.
- Storksdieck, M. & Heimlich, J. (2006). The strength of our beliefs: how personal filters influence environmental learning. 3rd Annual NAAEE Research Symposium, October 9-10, 2006.
- Storksdieck, M. & Koke, J. (2006). Boys and girls: how to interpret the differences. 3rd Annual NAAEE Research Symposium, October 9-10, 2006.
- Storksdieck, M.; Ardoin, N. & Meyers, R. (2006). Bridging educational insights: Comparing our philosophies of education. 3rd Annual NAAEE Research Symposium, October 9-10, 2006.
- Heimlich, J.E. & Storksdieck, M. (2006). Guiding change with visitor data: Insights from two case studies. Visitor Studies Conference, Grand Rapids, MI, July 25-29, 2006.
- Grack Nelson, A.; Ellenbogen, K.; Rowe, S.; Phipps, M.; Storksdieck, M. & Bronnenkant, K. (2006). Beyond Oohs and Aahs: Using evaluation to help visitors understand complex scientific visualizations. Visitor Studies Conference, Grand Rapids, MI, July 25-29, 2006.
- Storksdieck, M.; Falk, J. H. & Witgert, N. (2006). Why they came and how they benefited: Results of 52 in-depth interviews conducted 18 months after a science center visit. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.
- Storksdieck, M., Heimlich, J.E., & Muscat, A.M. (2006). Differences in visitor and resident conservation awareness and knowledge on Santa Catalina Island. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.
- Storksdieck, M., Kaul, V. & Werner, M. (2006). Tackling it together: Local partnerships to improve field trip experiences. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.

- Rosenfeld, S., J. Griffin, S. Commisso, T. M Kahn, V. Kaul, L. Kelley, N. Maoz, S. Rockman, M. Storksdieck, and M. Werner (2006). Varieties of formal-informal science learning environments: Perspectives of different stakeholders. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.
- Storksdieck, M., Heimlich, J.E., Muscat, A.M. & Barlage, J. (2005). Island conservation stakeholders: A triangulated opinion study. NAAEE 2nd Annual EE Research Symposium, Albuquerque, NM, October 24-25, 2005.
- Storksdieck, M., Heimlich, J.E., Muscat, A.M. & Barlage, J. (2005). Catalina Island: Balancing conservation and human needs. 34th NAAEE conference, Albuquerque, NM, October 25-29, 2005.
- Heimlich, J. E., Storksdieck, M., Barlage, J. & Muscat, A. M. (2005). Balancing conservation and human needs: An example using Santa Catalina Island. 3rd World Environmental Education Congress, October 2-6, Torino, Italy.
- Muscat, A.M., Heimlich, J.E. & Storksdieck, M. (2005). Using social science research to balance conservation and human needs on Santa Catalina Island. 19th Annual Meeting of the Society for Conservation Biology. Brasília, Brazil, 15-19 July, 2005.
- Storksdieck, M. (2005). Understanding stakeholders in the "field trip system." Association of Science - Technology Centers Annual Conference, Richmond, VA, October 15-18, 2005.
- Storksdieck, M., Kaul, V. & Werner, M. (2005). Results from the Quality Field Trip Study. Association of Science - Technology Centers Annual Conference, Richmond, VA, October 15-18, 2005.
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- Storksdieck, M. (2005). Using a broad web survey in program development. Visitor Studies Conference, Philadelphia, PA, August 2-6, 2005.
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